



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,622	08/31/2001	Takeshi Saito	213505US2RD	8762

22850 7590 06/02/2006

OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
1940 DUKE STREET
ALEXANDRIA, VA 22314

EXAMINER

WIN, AUNG T

ART UNIT	PAPER NUMBER
----------	--------------

2617

DATE MAILED: 06/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/942,622

Applicant(s)

SAITO, TAKESHI

Examiner

Aung T. Win

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-16 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 2, 4-8, 11-14 & 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moore et al. (US006434381B1) via Stewart et al. (US006732176B1) via Dusse et al (US006647260B2).

2.1 Regarding Claims 1 and 16, Moore discloses a mobile station capable of requesting local information and services [Column 4, Line 64-Column 5, Line 20] from a local server accessible through a local wireless network [Column 1, Line 58-Column 2, Line 33] [Columns 3 & 4] [Figures 1-7] (local network reads on claimed short-distance communication).

Therefore, at the time of invention of made, it is obvious to one of ordinary skill in the art that the mobile station comprises the claimed local radio network interface and claimed local server access request unit for requesting local information from the local

server. Moore does not explicitly disclose claimed determining step (i.e., local server determines whether the requesting user has a right to access local information) although Moore teaches that the local information services are provided according to users' profiles (i.e., registered user) [Column 5, Line 6-9].

Stewart discloses a system and method for granting access to local information to the registered wireless portal device user based on the claimed determining step i.e., whether the user of the portable device is registered with the network provider to access local resource [Column 12, Line 4-21] [Column 13, Line 1-10]. Stewart further teaches presenting a web page for non-registered user to subscribe the local information service [Column 12, Line 4-10]. Therefore, it is obvious to one of ordinary skill in the art that Stewart teaches claimed server access membership subscription guidance and claimed address of the subscription server so that the user can register with network provider for local information service via presented web page. At the time of invention of made, information providing service subscription via the web page is also very well known to one of ordinary skill in the art therefore, claimed subscription server is expected in the art at the time of invention of made.

Therefore, it would have been obvious to one of ordinary skill in the art that to modify the Moore's local information service system to authenticate registered users with determining step as taught by Stewart and as claimed to allow non-registered user to request registration to subscription server.

One of the ordinary skilled in the art would have been motivated to do this to provide distributed wireless network system with access control feature i.e., different

access levels to network resources depending on the access or privilege level of the user.

Modified system does not explicitly teach that registering step is processed through public network although such feature is very well known to one skill in the art at the time of invention of made. However, Stewart also teaches that non-registered user can access to Internet (Claimed public network or long distance communications) in one embodiment [Column 16, Line 25].

Dusse discloses service-provisioning system comprising a requesting mobile device register with a server over public network i.e., through AIRNET and LANDNET to provide the requested service [Figure 1] [Column 8, Line 54- Column 9, Line 13] utilizing well known wireless access protocols such as WAP [Column 4, Line 27-38].

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention of made to further modify the system to register the user of the portable device as claimed i.e., registering service according to presented web page via AIRNET and LANDNET as taught by Dusse. One of ordinary skill in the art at the time of invention of made to do this to provide the network provider with cost effective and efficient information providing and management system by implementing centrally located subscription server for all local networks provided by the network provider.

2.2 Claims 5, 8 and 11 are rejected for the same reason as stated above in Claim 1 rejection because claimed means are substantially closed to corresponding means of

Art Unit: 2617

claim 1. Local radio network interface, a public network interface, a local information storage, a local information access request receiving unit, a membership database, a membership checking unit, a membership subscription guidance sending unit and a membership database updating unit as claimed are expected in the modified system in order to operate the modified system as claimed in Claim 1 and Claim 5. At the time of invention of made, it is obvious to one of ordinary skill in the art that such claimed components with corresponding features are well known and expected in the art in order to provide right-to-access typed information providing system for registered users.

Steward also discloses a database which stores identification of user data such as MAC ID and system ID if there is more than one service provider in local area for determining whether the user is registered user with a service provider [Column 7, Line 24-67] [Figure 4; Step 212] [Also See system ID and MAC ID in cited disclosure of Steward reference]. At the time of invention of made, updating database feature in response to new user service subscription is obvious to one of ordinary skill in the art and expected in the art and therefore it is in absence of criticality.

2.3 Claims 12 and 14 are rejected for the same reason as stated above in Claims 1 and 5 rejection because claimed means are substantially closed to corresponding means of claim 1. a public network interface, a membership subscription guidance receiving unit, a membership subscription procedure processing unit and notification unit as claimed are expected in the modified system in order to operate the modified

Art Unit: 2617

system as claimed in Claim 1 and Claim 5. At the time of invention of made, it is obvious to one of ordinary skill in the art that such claimed components with corresponding features are well known and expected in the art in order to provide right-to-access typed information providing system for registered users.

Modified system also teaches notifying user if the device is successfully registered by registration confirmation notification [Dusse; Figure 7C]. Moreover, such notification feature provided in registration process is well known to skill in the art in order to ensure the user for completing registration process and synchronize with local servers for providing local information service registered by the user.

2.4 Claim 2 is rejected for the same reason as stated in claim 1 rejection above. It is obvious to one of ordinary skill in the art that the presented web page provided by modified system stated above comprise claimed local server ID in order to request information from corresponding local information server implemented in different local network environment such as airport, shopping center, or offices [Stewart; Column 15 and 16]

Dusse also discloses that the request for the new service registration for the user includes the provisioning information comprising URI (server ID) of service server providing the service and registration information relating to the user of mobile device. [Column 6, Line 37-65]. Therefore, modified system would teach claimed feature in order to retrieve the requested local information.

Art Unit: 2617

2.5 Claim 4 is rejected for the same reason as stated in Claim 1 rejection above.

Claimed processing unit is expected in the wireless mobile device and claimed features i.e., processing received information is well-known feature in order to present the local information to the user.

2.7 Claim 6 is rejected for the same reason as stated above in Claim 1 and 5 rejection. It is obvious to one of ordinary skill in the art that registering through presented web page teaches claimed membership subscription guidance along with an address of the subscription server.

2.8 Claim 7 is rejected for the same reason as stated above in Claim 2 rejection because the claimed limitation substantially read on corresponding means of Claim 2.

2.9 Claim 13 is rejected for the same reason as stated above in Claims 1, 2, 5, 7 and 12 rejections. As stated above it is obvious to one of ordinary skill in the art that modified system comprises a plurality of local servers stored local information corresponding to different area. Therefore, identifying local server with server ID in order to route the requested information to corresponding server is expected in the art.

2.10 Regarding Claim 14, Dusse et al. does not disclose the information distribution system uses a plurality of local servers although a notification unit (message send

manager) configured to notify information on the portable terminal to the local server (provisioning server) through the public network when the server access membership subscription request is accepted by the membership subscription procedure [Column 7, Line 41-62]. One skilled in the art realizes that there would have been more than one server in the information distribution system. Moreover, the concept and process of the notification unit notifies the information the portable terminal to the plurality of local servers is well known and expected in the art.

3. Claims 3, 9, 10 & 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moore et al. (US006434381B1) via Stewart et al. (US006732176B1) via Dusse et al (US006647260B2) In view of Coppinger et al. (US20010046862A1).

3.1 Claims 3 is rejected for the same reason as stated in Claim 1 rejection above. Modified registering step comprises receiving passwords and forwarding passwords along the access request as claimed because Dusse teaches that password is used for authenticating process between the server and requesting user device [Column 7-8].

Modified system does not disclose claimed password memory unit for storing password in which the password is valid for limited time period.

Coppinger discloses the account registration of a wireless device for new service in which, the user is provided with system assigned password by the server (subscription

sever) [Paragraph 0059, 0060 & 0066] in which password is used for limited access to the registered service [See “ ... the new service request which is available for use beginning at a specified time or event; and to be specified to ceased being available for use at a specified time; Paragraph 0079] [Figure 1].

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention of made to further modify the mobile station as taught by Coppinger to provide the limited use of service and to store limited access password as claimed. One of ordinary skill in the art at the time of invention of made to do this to provide customers with service as needed basic and to simplify the registering process with storing password feature.

3.2 Claims 9, 10 and 15 are rejected for the same reason as stated above in Claim 3 rejection because claim means substantially read on corresponding means of Claim 3.

Conclusion

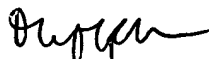
The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aung T. Win whose telephone number is (571) 272-7549. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571) 272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Aung T. Win
Group Art Unit 2617
May 30, 2006


DUC NGUYEN
PRIMARY EXAMINER